

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number  
**WO 2004/083333 A1**

(51) International Patent Classification<sup>7</sup>: **C09J 133/10**  
(21) International Application Number:  
PCT/KR2004/000544

(22) International Filing Date: 15 March 2004 (15.03.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2003-0017583 20 March 2003 (20.03.2003) KR

(71) Applicant (for all designated States except US): **LG CHEM LTD.** [KR/KR]; LG Twin Tower, Yoido-dong 20, Youngdungpo-ku, Seoul 150-721 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Dong-Wook** [KR/KR]; 101-1804 Hyundai apt., Bokcheon-dong, Dong-grae-gu, Busan-city 607-763 (KR). **HAN, In-Cheon** [KR/KR]; 549-23 Geoyeo-dong, Songpa-gu, Seoul 138-110 (KR). **PARK, Jong-Cheol** [KR/KR]; 104-1 Munji-dong, Yuseong-gu, Daejeon-city 305-380 (KR).

(74) Agent: **LEE, Jung-Hee**; 9th Floor Teherran Bldg., 825-33 Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **PRESSURE SENSITIVE ADHESIVE COMPOSITION FOR ELECTRO-MAGNETIC SHIELDING FILM AND ELECTRO-MAGNETIC SHIELDING FILTER USING THE SAME**

(57) Abstract: The present invention relates to an adhesive composition for an electro-magnetic shielding film and an electro-magnetic shielding filter using the same, and more particularly to an adhesive composition for an electromagnetic shielding film comprising: a) an acrylic copolymer of i) (meth)acrylate ester monomers having C<sub>1</sub>, to C<sub>12</sub> alkyl groups and ii) vinylic monomers having hydroxyl groups; and b) a multifunctional isocyanate crosslinking agent. The electro-magnetic shielding filter of the present invention offers good durability because transparentization is performed with an acrylic adhesive composition having no acidic groups, and thus oxidation of copper is prevented.



WO 2004/083333 A1